Appl. No. 09/715,690 Amdt. dated May 19, 2003 Reply to Office Action of March 17, 2003

IN THE CLAIMS

Please note that no amendments have been made to the claims.

- (previously amended) A slurry, comprising a mixture of:
 a surfactant containing an alkyltrimethylammonium cation; a chelating buffer system;
 an abrasive; an oxidizer; and a corrosion inhibitor; wherein the slurry has a pH between 2.5
 and 7.0.
- 2. (original) The slurry of Claim 1, wherein the surfactant comprises cetyltrimethylammonium bromide dissolved in the mixture.
- (original) The slurry of Claim 1, wherein the surfactant comprises
 cetyltrimethylammonium cations and halogen anions.
- 4. (original) The slurry of Claim 3, wherein the abrasive comprises silica, the corrosion inhibitor comprises benzotriazole, and the oxidizer comprises hydrogen peroxide dissolved in the mixture.
- 5. (original) The slurry of Claim 1, wherein the chelating buffer system comprises ammonium bicitrate and potassium citrate dissolved in the mixture.

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(original) The slurry of Claim 1, wherein the chelating buffer system is selected from 6. the group consisting of citric acid/potassium citrate, and ammonium bicitrate/potassium citrate.

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- (original) The slurry of Claim 1, wherein the corrosion inhibitor is selected from the 7. group consisting of benzotriazole and cetyltrimethylammonium bromide.
- (original) The slurry of Claim 1, wherein the surfactant comprises between 0.003M 8. and 0.075M cetyltrimethylammonium bromide in the mixture.
- (original) The slurry of Claim 1, wherein the surfactant comprises 9. cetyltrimethylammonium hydroxide dissolved in the mixture.
- (original) The slurry of Claim 1, wherein the surfactant comprises both 10. cetyltrimethylammonium hydroxide and cetyltrimethylammonium bromide dissolved in the mixture.
- (previously amended) A copper polish slurry, comprising in combination: 11. water, a surfactant containing a alkyltrimethylammonium cation, a chelating buffer system, an abrasive, an oxidizer, and a corrosion inhibitor, wherein the slurry has a pH between 2.5 and 7.0.
- 12. (previously amended) The slurry of Claim 11, wherein the abrasive comprises silica having a surface area 500 m²/g.

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- 13. (original) The slurry of Claim 12, wherein the corrosion inhibitor is selected from the group consisting of benzotriazole and cetyltrimethylammonium bromide.
- 14. (previously amended) The slurry of Claim 11, wherein the corrosion inhibitor is benzotriazole and the surfactant is selected from the group consisting of cetyltrimethylammonium bromide and cetyltrimethylammonium hydroxide.
- 15. (previously amended) The slurry of Claim 11, wherein the slurry has a density of 1.03 g/ml.
- 16. (original) The slurry of Claim 11, wherein the oxidizer comprises hydrogen peroxide; and the chelating buffer system comprises citric acid and potassium citrate.